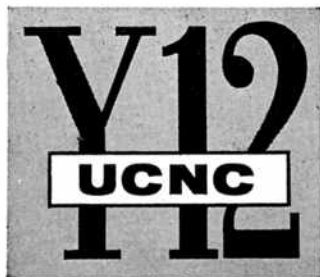


UCC Posts 15th Anniversary In Atomic Field January 18



THE BULLETIN

A NEWSPAPER BY AND FOR Y-12 EMPLOYEES OF UNION CARBIDE NUCLEAR COMPANY
DIVISION OF UNION CARBIDE CORPORATION

Vol. 12 — No. 3

OAK RIDGE, TENNESSEE

Wednesday, January 15, 1958

GREAT STRIDES MADE BY CORPORATION



WHAT WARTIME Y-12ERS FREQUENTLY SAW is shown above, the picture being taken after a flash flood had engulfed First Street. Many of the vehicles shown were stalled by the downpour. Note antique bus, one of the types that carried thousands of Y-12ers around the plant, in right center. Storm sewers, of course, had not been installed at this stage of plant construction in the winter of 1944-1945.

Pact Signed In 1943 By Two Men Led To War Triumph, Peace Uses As Many New Processes Developed

**Unique Contract Started K-25 Operations;
Y-12 And ORNL Soon Included; Paducah, Ky.,
Plant Built And Nuclear Company Is Formed**

A contract unique in character and far reaching in effect signed by two men on January 18, 1943, placed Union Carbide Corporation in the atomic energy field. That pact, signed in New York and bearing the signatures of the late James A. Rafferty, then President of Carbide and Carbon Chemicals Company, a Division of UCC; and Lt. Col. K. D. Nichols, of the United States Engineer Detachment; called for the Corporation to "supply technical consultants to study available knowledge and information with regard for design, engineering and construction and operation of a plant to produce Product K-25 (Uranium 235)—and to operate the plant."

Out of that contract signed 15 years ago—and renewed with variations from time to time since then to meet changing conditions—has developed the greatest story of scientific achievement of the period; the unfolding of the mysteries and power of atomic energy. From Carbide's first entry into the field to produce Uranium 235 for wartime uses has come step after step in developing new processes in nuclear science not only for national defense but also for application in civilian fields for the betterment of mankind.

From being just one of the pioneers in the field of atomic energy and nuclear science, Union Carbide's progress has placed it in the forefront of such work throughout the world. Such has been the progress that all of the Corporation's atomic activities now are being conducted by Union Carbide Nuclear Company, a Division of Union Carbide Corporation; which was formed August 9, 1955, to take over work formerly done by Carbide and Carbide Chemicals Company, now Union Carbide Chemicals Company; and other Divisions of the Corporation.

UCNC Operations Are Widely Located

Union Carbide Nuclear Company now operates for the Corporation all phases of its atomic program—from uranium mining and milling to research, development and production both for national defense and for civilian activities. Its far flung work ranges from the Colorado Plateau to new facilities recently established in Sterling Forest, N.Y., to the laboratories and plants of Oak Ridge and Paducah, Ky.

Negotiations for the contract between the Corporation and the Government for the production of Uranium 235 began late in 1942, just a few weeks after formation of the famed Manhattan District on August 13, 1942, on orders of President Franklin D. Roosevelt. The Manhattan District was carved out of the United States Corps of Engineers and given the task of harnessing the atom for wartime purposes in those dark days of World War II. That launched the

Continued on Page 2

Center Confident Of Future; Sapirie Congratulates UCC

In connection with the 15th anniversary of the entry of Union Carbide Corporation into the field of atomic energy, UCNC Vice President Clark E. Center has issued a statement declaring that the Corporation looks forward with confidence that through continued efforts in atomic energy work that the standards of living for the country will be improved. At the same time S. R. Sapirie, Manager, Oak Ridge Operations, Atomic Energy Commission, in a letter to Vice President Center expresses appreciation for the Corporation's contributions to the Commission atomic energy program. The statement and letter follow in full:

These efforts have resulted in tripling the size of the K-25 Plant, the re-activation of the Y-12 Plant, the building of the Paducah Plant and in significant increases in the scope and the size of the research program at the Oak Ridge National Laboratory.

As in 1943, we look forward with confidence that continued effort in atomic energy work will improve the standard of living in our country. The future can best be summarized by the following objective quotation from the Atomic Energy Act:

"It is hereby declared to be the policy of the people of the United States that, subject at all times to

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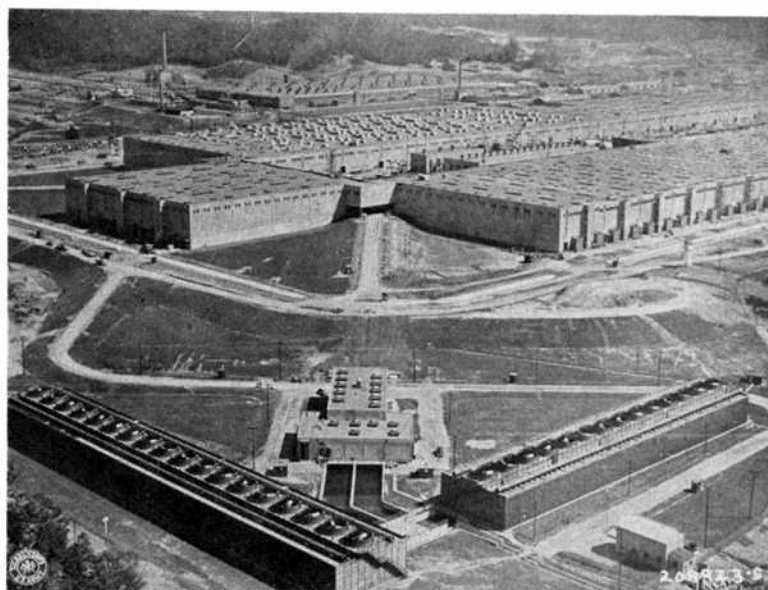


Clark E. Center

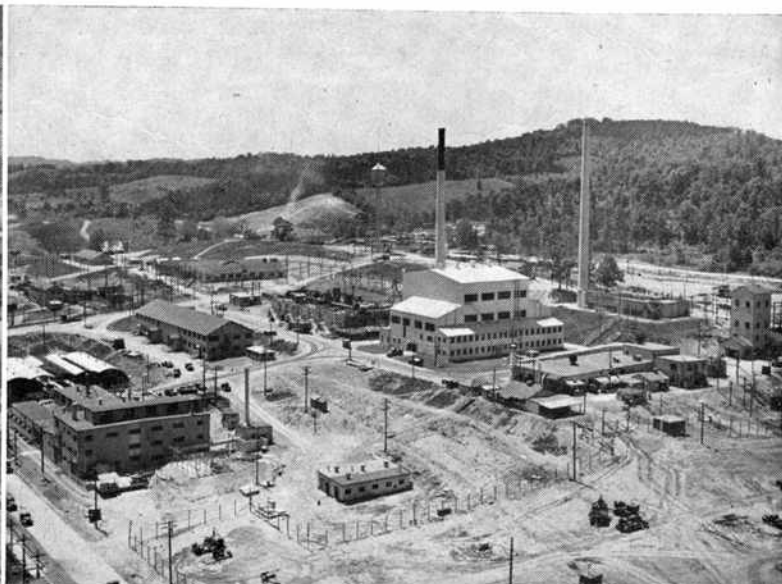
UCC PROGRESS IS CITED BY VICE PRESIDENT CENTER

You asked me what lies ahead for us as we reach this 15th anniversary of our participation in the government's atomic energy program. This is the same question that was on our minds 15 years ago when we left the work to which we had been accustomed and to participate in a new adventure — atomic energy. It was novel, it was big, it was astonishing and it was confusing. The future looked interesting, but quite unpredictable.

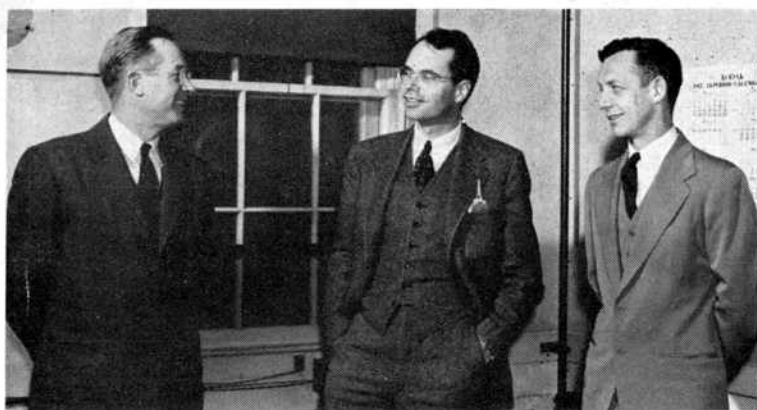
In the 15-year period which has elapsed since January 18, 1943, a great deal of knowledge has been accumulated about atomic energy, and each day we add to this growing store of knowledge. Through hard work the results of our efforts have exceeded our most optimistic 1943 estimates. Since the completion of our war-time assignment, our efforts have been to increase the quantity of production with maximum efficiency and to develop new uses for our product.



TWO EXCELLENT EARLY PICTURES OF the Oak Ridge Gaseous Diffusion Plant, left, and Oak Ridge National Laboratory, right, are shown above.



Both were made late in 1945 and were among the first released for publication after World War II.



"GOOD-BYE TEC, WELCOME CARBIDE," might be the words being spoken by Carroll Wilson, center above, first General Manager of the Atomic Energy Commission, to Dr. Fred Conklin, left, Tennessee Eastman Corporation Works Manager; and C. N. Rucker, right, first Y-12 Plant Superintendent for Carbide; shortly before the transfer of Y-12 from TEC to Carbide on May 4, 1947.

UCC To Observe 15th Anniversary In Atomic Field January 18; Great Strides Are Made

Continued from Page 1

"crash program" that brought the great plants to Oak Ridge in record time.

Government Was Uncertain Over Outcome

That January 18, 1943, contract between UCC and the USED was unique in that it consisted of only four typewritten pages in the form of a letter that turned out to be such an historic document. In addition to its brevity in covering a project of such magnitude, the contract also was exceptional in that the Government expressed uncertainty over the outcome of the enterprise. For instance—

"The design—are of an experimental nature and it is recognized that you now have no specific knowledge of the process—to be employed in the operation of the plant. You will, however, at the request of the Government and in the interest of promoting the war effort, exert your best effort to perform the work. But you make no responsibility or obligation that the plant can be successfully operated."

Then quickly followed erection of the gigantic buildings to house machines and men to delve into the mysteries of the atom and to harness it to push the war effort. The electromagnetic plant—Y-12—was the first to be started on February 1, 1943; with work on the K-25 plant of Union Carbide Corporation beginning September 10 of the same year. That was a few days less than nine months after the momentous contract was signed in New York.

Uranium 235 Production Started In Y-12 January 27, 1944

Full scale production of Uranium 235 production began in the Y-12 Plant on January 27, 1944; and the first units at the K-25 Plant (now known as the Oak Ridge Gaseous Diffusion Plant) were placed in operation on February 20, 1945. After the concentrated wartime program was over with the surrender of Japan after the bombing of Hiroshima and Nagasaki, it was determined that the gaseous diffusion process was the most efficient and economical for producing U-235 and the electromagnetic process later was abandoned.

Meanwhile in Oak Ridge construction on the Clinton Laboratories, now Oak Ridge National Laboratory, began February 1, 1943, and the "pile" reactor went into operation November 4 of that year. Originally a small pilot plant on which the design of the huge plutonium plant at Hanford, Wash., was designed; ORNL now is engaged on problems relating to peacetime as well as military application. ORNL is noted for its production of radioactive and stable isotopes of many elements for use in industry, medicine and agriculture as well as for developing reactors of several types.

Y-12 Joined Carbide Fold May 4, 1947

With the end of World War II began the expansion of Union Carbide Corporation in the field of atomic energy. On May 4, 1947, operations at the Y-12 Plant were taken over by Carbide and Carbon Chemicals Company and on March 1, 1948, Oak Ridge National Laboratory was taken over by the same organization.

Original operator of the Y-12 Plant was Tennessee Eastman Corporation, a subsidiary of Eastman Kodak Co. After the war TEC indicated a desire to withdraw as operator for the plant. In the following months negotiations were concluded with a smooth transfer of operations and transfer of personnel.

Details of the transfer from TEC to Carbide remain clear in the memory of the many former TEC folks still employed by Carbide in the Y-12 Plant Area. Carbide designated C. N. Rucker to be the first Y-12 Plant Superintendent, succeeding Dr. Fred Conklin, TEC Works Manager. Just before the date of transfer, Superintendent Rucker in a statement published in The Y-12 Bulletin said:

Rucker Hoped For Good Relations

"I hope that the decision to transfer (by TEC employees) will lead to continued good relations. Carbide brings to you employee benefit plans which have been tried and found proven satisfactory through years of experience in our own Corporation. We will attempt to make your association with the new Corporation as pleasant as possible."

Even prior to that statement TEC personnel had been advised of Carbide policies and procedures, including the various employee benefit plans such as vacations, savings plan, group insurance and other items. So effective was this orientation that less than two per cent of 2,400 TEC employees interviewed rejected the opportunity to work with Carbide.

Those who did not choose to work with Carbide—and others later terminated under reduction in force when operating activities and objectives in the Y-12 Plant were changed—were given assistance by Carbide in finding other jobs.

Y-12 Has Been Praised By Commission

Meanwhile the Atomic Energy Commission had been organized to take over the work formerly done by the United States Engineer Detachment. Union Carbide, of course, remained as contractor for the AEC. The Y-12 Plant was given new assignments to carry out—and so effectively have they been accomplished that many words of praise have been bestowed on this Carbide facility.

Under the leadership of Superintendent Rucker and his successors, Dr. C. E. Larson, W. D. Lavers, Logan B. Emlet and the present Superintendent, John P. Murray; Y-12ers have found Carbide a "good

Y-12 Plant Is Outstanding In Reducing Disabling Injuries; Record For 1957 Shows Big Decrease In Number And Severity



company for which to work." Its benefit plans have been generous and leadership effective.

Paducah Plant Work Started In 1950

The Oak Ridge Gaseous Diffusion Plant operations were greatly improved and expanded following the war and in 1950 the AEC requested Carbide to build and operate a similar but smaller plant at Paducah, Ky. Operations began in the Kentucky plant in 1951.

With the organization of Union Carbide Nuclear Company in 1955, UCC's atomic energy program entered a stage of ambitious expansion. Formation of UCNC was described as a consolidation of all atomic energy facilities formerly operated by Carbide and Carbon Chemicals Company. The new Company also took over the uranium mining and processing operations formerly performed by the United States Vanadium Company in Colorado.

Kenneth Rush First UCNC President

First officers of the new Company were Kenneth Rush, President; Clark E. Center, Lyman A. Bliss and Oscar Holmgren as Vice Presidents. President Rush was a Vice President of Union Carbide Corporation in charge of all UCC operations outside of the United States and Canada. Mr. Center was the first Superintendent of the K-25 Plant and closely connected with the atomic energy program of UCC from its inception. Mr. Bliss was a Vice President of Linde and Mr. Holmgren a former Vice President of the U.S. Vanadium Company.

Dr. Lauchlin M. Currie was appointed Vice President of UCNC in November, 1955. He had previously been connected with National Carbon and Bakelite Companies. In the following year William M. Smart, Vice President and Secretary-Treasurer of Union Carbide Canada, Ltd., was made a UCNC Vice President. Sylvan Cromer, well known in Oak Ridge when he was in charge of engineering for the Oak Ridge Gaseous Diffusion Plant and other Carbide activities, was appointed a UCNC Vice President in October, 1957. A. Q. Lundquist, a former Vanadium official, also is a UCNC Vice President.

Bliss Made UCNC President January 1, 1957

Morse G. Dial, President of Union Carbide Corporation, announced on January 1, 1957, that Mr. Bliss had been advanced to the Presidency of UCNC, replacing Mr. Rush. The latter returned to his former Vice President's post with Union Carbide with overall responsibilities for nuclear activities.

The year 1957 was a big one for Union Carbide Nuclear Company. In Oak Ridge Vice President Center accepted the Department of Defense U.S. Reserve Award in recognition of the Company's co-operation and support of the reserve programs of the Army, Navy, Marine Corps and Air Force. Announcement of plans for a research center to cost between \$6,000,000 and \$8,000,000 in the Sterling Forest Area near Tuxedo, N.Y., to serve UCNC and Union Carbide Ore Company also was announced with completion being scheduled for late this year or early in 1959. Other major developments also have been announced for the Company.

These include a multi-million dollar project to increase uranium production with a new processing mill and chemical upgrading plant at Rifle, Col., Slick Rock, Col. and Green River, Utah. The Company also is operating mills and other facilities at Uravan, Col., and Thompson, Utah.

AEC Extends UCC Contract To June 30, 1960

Continued confidence in the performance of Union Carbide Corporation in the nuclear field was expressed by the Atomic Energy Commission back on November 14, 1955, when the AEC announced extension of the operating contract between the Commission and Union Carbide had been extended to June 30, 1960.

So, Y-12ers and other Union Carbide Nuclear Company employees wherever they may be can look back with pride and satisfaction over the past 15 years of progress and achievement by Union Carbide Corporation that began with the signing of that unique contract by Mr. Rafferty and Colonel Nichols in New York. That paper started an unparalleled cycle in development of nuclear science in the world for which Americans can well be thankful.

Continued Health Best Evidence Of Fine Mark

An effective accident prevention program in all of its plants, laboratories and offices has been one of the main objectives of Union Carbide Corporation operations throughout the world. Nowhere has this been stressed more than in the Y-12 Plant and other Union Carbide Nuclear Company installations in Oak Ridge, Paducah, Ky., and in far away Colorado.

Accident prevention with its resultant safe operations and efforts to eliminate disabling injuries show up in black and white in statistics—but much more so in the continued good health and happiness of UCNC employees who attain those goals by observing careful work habits, using prescribed safety clothing and equipment and who are constantly alert to any safety hazards with the objective of eliminating them before they can cause a disabling injury.

Y-12ers Can Be Proud

Since May 4, 1947, when Carbide took over operations at the Y-12 Plant, the safety record here is one that every Y-12er can point to with pride—although it still could be better. In those years the cumulative frequency rate—the number of accidents per 1,000,000 man-hours of work—has steadily decreased from a high of 7.4 for the eight months of 1947 under Carbide operations to 2.1 at the end of 1957. During that period there were 187 disabling injuries in the Y-12 Plant Area with a total of 87,068,391 man-hours worked. So, since May 4, 1947, through 1957 the frequency rate showed a decrease of 72 per cent.

The year 1957 was one of the finest from a standpoint of safety in the Y-12 Plant. During the past year there were only 14 disabling injuries for the 11,50,836 hours of plant operations to establish the remarkable frequency rate of only 1.3. The 1957 figures also showed that the severity rate—number of days lost because of disabling injuries for each 1,000,000 man-hours of work—was 126. The 14 charged injuries resulted in a loss of 1,406 days.

Frequency Drops 43 Per Cent

The 1957 total of 14 disabling injuries included three pickup cases at the end of the year with a total time charge of 80 days. Pickup cases generally are injuries that subsequently resulted in some degree of permanent disability when actually no time may have been lost by the injured employee.

Even including the three pickup cases for 1957, the frequency rate for that year dropped 43 per cent from the 1956 figures. Excluding the three pickup cases the frequency rate decrease in 1957 from 1956 was 57 per cent.

A comparison of the 1957 safety figures in the Y-12 Plant with those of 1956 show a startling decrease in every item down the line. In 1956 there were 27 disabling injuries during 11,871,351 man-hours of operations that resulted in a frequency rate of 2.3. There were two fatalities in 1956, each being listed as 6,000 days lost from work, that brought the total lost days to 17,417 and a severity rate of 1.467. The 1956 figures of the Safety Department do not include any pickup cases for that year.

In addition to the big drop in disabling injuries in 1957 from the previous year, there also was a sharp decrease in the number of medical treatment injuries—those in which employees were given treatment at the Y-12 Dispensary and returned to work with no lost time charged. The 1957 figures for these accidents was 3,322 with a frequency rate of 298 as against 4,859 and 409 for 1956. The 1957 frequency rate is a decrease of 27 per cent from 1956.

Dames are smarter than you think. They skin a wolf to get a mink.

★ ★ ★ ★ ★

NAME

~~OFFICE~~
COMPANY

<i>Sumnershall Col. CE</i>	USED
<i>J. H. Deering</i>	Columbus.
<i>G. R. Appleby</i>	C T C C C
<i>E. D. Cunningham</i>	"
<i>W. F. Emery</i>	"
<i>Ell. Carson</i>	"
<i>George T. Filbrick</i>	"
<i>Charles E. Carter</i>	"
<i>J. A. Cutchett</i>	
<i>E. J. Booth</i>	Columbia H.
<i>Avalley</i>	N E Co
<i>H. E. Thompson</i>	C T C C C
<i>S. G. Viny</i>	Cal. Union
<i>W. K. Lewis</i>	M. D. J.
<i>K. O'Nichols</i>	USED
<i>L. W. Wyzska</i>	N Y P
<i>Wm. Adams</i>	UCC -
<i>W. F. Groves</i>	USA
<i>P. Keith</i>	Thurkilling & Co
<i>J. Arnold</i>	"
<i>Om Benedict</i>	"
<i>James Stormont Col CE</i>	USED
<i>As Bala</i>	New Killing & Co
<i>W. B. Mallynamy</i>	" "
<i>A. J. Frost</i>	" "
<i>D. G. Neubach</i>	" "

Culinary concoctions that have proven popular with patrons of the 50-cent Special Lunches at the Y-12 Cafeteria will be served as entrees tomorrow, Thursday, January 16, and next Tuesday, January 21. Shepherd's pie will be the main dish on the Special Lunch tomorrow. Then on next Tuesday American chop suey with steamed rice will be offered. Each Special Lunch also includes one vegetable, choice of salad or dessert and rolls and butter.

Gossip—saying nothing in a way that leaves nothing unsaid.

The Kellogg representatives attended the meeting to discuss construction details, as the K-25 Plant was built by the Kellogg Corporation, a subsidiary of the Kellogg concern.



Union Carbide Corporation has awarded a contract for excavation and foundation work on a new home office building in Toronto, Canada. It is expected to be completed in the summer of 1959.



STARTING THE NEW YEAR in fine style are these two excellent snapshots that rated first and second in the Y-12 Weekly Photographic Contest for the week ending January 3. "Ready for Bed," at top was taken by Howard Horne, Maintenance Planning, of his two youngsters for first place. The bottom picture by C. G. Brewster, Medical, shows the unique old county jail at Franklin, Ky.



"PETRIFIED WOOD" is the title of the prize winning picture, at top, in the Y-12 Weekly Photographic Contest for the week ending January 10. Taken by Gaines Aldridge, Alpha Four Cascade Operations, it shows his youngsters hunting petrified chips off the tree trunk in foreground during vacation trip to the Petrified Forest in Arizona in August, 1957. "Talking To Santa," bottom, took second prize. It was taken by Winfred Ray, also of Alpha Four.

10 Years Service

Congratulations to the following Y-12 employees who will complete 10 years of Company Service within the next few days:

Lennie I. Bazel, Janitors, January 15.

William O. Thompson, General Machine Shop, January 21.



TIBBATTS—TIPPY

Of wide interest to the many Y-12 friends of the fathers of both the bride and groom, both Y-12ers, was the wedding on Saturday, January 4, of Miss Ann Tippy and Ensign Thomas Nelson Tibbatts, United States Navy. The wedding was solemnized at 4 p.m. at the First Methodist Church, Oak Ridge, with the Rev. John Sutton, associate pastor of the church, officiating.

The bride is the daughter of R. R. Tippy, of Finance and Materials Administration, and Mrs. Tippy, who live at 102½ Meadow Road, Oak Ridge. Parents of Ensign Tibbatts are Nelson L. Tibbatts, General Foreman in the Services Group of Buildings and Grounds Department, and Mrs. Tibbatts. They reside at 318 Vermont Ave., Oak Ridge.

The bride was given in marriage by her father and nuptial music was presented with Mrs. B. H. Thompson at the organ and Miss Ann Carter as vocalist.

For her wedding the bride selected a gown of Chantilly lace and tulle fashioned with a Basque bodice, long fitted sleeves and a scoop neckline. The lace over the tulle skirt gave an apron effect to the ballerina length dress. Her veil was waist length of imported illusion lace and held by seed pearls and sequins. She carried pink sweetheart roses centered with a white orchid.

The maid of honor was Miss Mary Bryan, who wore a sapphire blue taffeta dress with a harem hemline and shirred bodice fashioned with a sabrina neckline. She carried a white muff adorned with pale pink roses.

Acting as best man was William Miller, of Covington, Ky., cousin of the groom. Ushers were Thomas Penn, son of a Y-12er; Ralph Aurin, Richard Bolen, Terry Chilcoat and Park Ellis, all of Oak Ridge.

Out-of-town guests included Mrs. Pearl Tibbatts and Andy Reis, both of Newport, Ky.; Mrs. Robert Clark and Mr. and Mrs. William Miller, Covington, Ky.; and Mr. and Mrs. Rex Brown, Harlan, Ky.

Following the ceremony a reception was held at the Continental Room, Oak Terrace. The couple left later on a honeymoon trip and will be at home at Pensacola, Fla., where the groom is stationed as a flier for the Navy.

The bride attended the University of Tennessee where she was president of pledges for Pi Beta Phi Sorority. Ensign Tibbatts attended the University of Tennessee for two years before entering the Navy.

PUCKETT—BOONE

The marriage of Miss Joyce Ann Puckett and Electronics Mate First Class Larry Wayne Boone, USN, on December 21, 1957, has been announced by parents of the bride, Mr. and Mrs. George Puckett, 100 Oak Lane, Kingston, Tenn. The father of the bride is with the Y-12 General Machine Shop.

The couple exchanged marriage vows at 6 p.m. December 21 in a candlelight ceremony before the Rev. James Austin, pastor of the



Photo by Bill Hoopes, Oak Ridge Ensign and Mrs. Thomas Tibbatts



Mr. and Mrs. Larry Wayne Boone

Cedar Grove Baptist Church, Kingston.

The groom is the son of Mr. and Mrs. Malton Boone, Kingston. He is stationed at Memphis, Tenn., where he is attending an electronics technician school. He enlisted and served with the "Tennessee Ernie Ford Co.," composed entirely of Tennessee men.

Music for the ceremony was presented by Diane Fultz at the organ and soloists Mrs. O. C. Cole and James Austin.

Given in marriage by her father, the bride wore a mist blue shadow brocade taffeta dress with a scoop neckline. The two tier illusion veil fell from a crescent shaped cap and silver and white iridescent brocade studded with rhinestones. Her flowers were a crescent shaped bouquet of white carnations atop a white Bible, a gift from the groom.

Maid of honor was Miss Carolyn Puckett, sister of the bride. Her gown was a duplicate of that worn by the bride, but was of ballerina length and made of white shadow brocade taffeta. She carried a bouquet of blue carnations.

Ralph Cooley, of Kingston, was best man and ushers were Jack Tutterson, Ray Gardner and June Norman.

The bride is attending Roane County High School at Kingston. The couple will live on Scenic Drive, Rio Vista, Kingston.

PHOTO CONTEST ENTRIES BROUGHT UP TO DATE

Because of the Christmas and New Year's holiday schedules, snapshot entries for the Y-12 Weekly Photographic Contest were delayed in publication for one week. In this week's edition of The Bulletin, entries for the weeks ending January 3 and 10 are published, bringing the contest pictures up to date.

Announcement of the picture of the month for December and the high point winners for 1957 will be announced as soon as word is received from the judges.



Just to be contrary and make a fibber out of the writer—by the time this reaches readers the temperature probably will be balmy—BUT, as of time of writing it was cold enough to freeze the ears off any respectable stalk of corn that ever grew. That's probably why the crop of Strictly Co(r)nfidential has fallen off somewhat this week. So, picking up the husks, it is—

MECHANICAL OPERATIONS

They still are straying back from that Gator Bowl football game in good old Jax, Fla. . . . R. G. Spurling, Production Control, is back from vacation, part of which was spent watching the Vols and Aggies sock each other around . . . Greeta Lualen also is back from vacation—most of which, she said, was spent with a dentist . . . Another returnee is Milton Patterson from a trip to Ohio . . . H. Mitchell is the cigar-passing gent in the department—celebrating arrival of an 11-pound boy in the family . . . A warm welcome has been extended W. K. Jackson, Tom Atkins and R. T. Day, newcomers to the group . . . Get well wishes are rushed to the wife of C. B. Wilson, ill with pneumonia . . . Likewise to Mrs. J. E. Pickell, recovering from surgery. . . . Also to the daughter of J. F. Campbell, who suffered accidental burns several days ago.

Tool Grinding and Machine Maintenance has a host of ill folks to whom rapid recovery wishes are sent . . . R. A. Guy is in the Veterans Administration Hospital at Johnson City with a misery in his back . . . C. F. Charpie has a cardiac difficulty . . . A. E. Parson is all shook up with the measles . . . Get well wishes also to the son of F. A. Stewart, who recently underwent an operation. . . . On the credit side of the ledger, G. Butters is welcomed back after a three-week illness. . . . D. E. Littleton, a newcomer, received a warm welcome as a newcomer last week.

Tim Watt is back at his old stand of reporter for the Sun-flower Shop after doing the cheer leading for a delegation to the Gator Bowl battle and he reports that J. A. Williams and J. B. Loy also have returned from the Florida metropolis of Jaxville . . . P. S. Greene was reported working on his new home while vacationing last week . . . G. L. Lambert was taking it easy at home in Loudon and B. J. Hill dittoing at Clinton. . . . G. L. Day found attractions down in Louisiana . . . E. Cooper was welcomed back last week after a long illness, but on the ailing list last week were L. L. Goss, J. A. Whitson, W. B. Stephens, C. J. Tapscott and P. W. Zurcher to whom rapid return wishes are sent.

INDUSTRIAL RELATIONS

Gwen North, Security, is vacationing at home and tales creep back that she has been busy cleaning up after hubby Byron's paint job . . . Jack Fisher vacationed up in the snow belt of Northern Michigan—he could have gotten just as cold down here.

CHEMICAL

Product Processing extends sympathy to Bessie Phillips, whose father died recently . . . Mildred Sparks and A. C. Smith are welcomed back after extended illnesses . . . However, E. O. Harber and Mabel Stapleton were lost to the sick list last week with get well wishes being sent their way.

MAINTENANCE

Research Services has E. Killion vacationing in Illinois . . . C. L. Jones is hunting up in Virginia . . . H. H. Martin is down in Alabama. . . . Posses are needed to find the vacation spots of C. A. Baer, Bill Humphreys, S. R. Messamore, J. F. Davis and B. C. Blitch—no forwarding addresses left . . . C. E.

"Fuzz" Harris celebrated the end of his vacation by overtaking a case of flu . . . Condolences are extended E. Ross and L. Richardson, both of whom lost their fathers-in-law recently . . . E. T. Wallace is welcomed back after a long illness . . . Best wishes for an early recovery goes to W. E. Thomas, who is entering the hospital for an operation . . . Also to G. W. Potts, B. W. Beckham, H. A. Mayes, R. W. Jenkins, E. E. Fields and E. E. Oliver, all on the ailing list last week.

ALLOY

Don Howell, a co-op from Alabama Polytechnic Institute, was welcomed to Alpha Five Cascade Operations last week . . . Get well wishes to Grady Bennett, in St. Mary's Hospital in Knoxville . . . Sympathy is extended P. J. Bertin, whose brother died recently.

TECHNICAL

Frances Carden, Laboratory Operations, was a happy gal with her husband home for 15 full days on leave from the Army . . . Nell Miller entertained out-of-town guests over the past week end . . . Lynn Fuson visited friends in Atlanta, Ga., over the week end . . . Lots of get-well-quick wishes go to Anne Wenzler in Oak Ridge Hospital.

Production Assay reports Irene Ellison had friends as visitors last week end . . . Virginia Giles has been visiting in Clinton while her husband went fishing . . . Bill Haddix and his wife, Billie, spent a New Year's vacation in Cincinnati and Dayton, Ohio.

Production Analysis sends rapid recovery wishes to L. C. Peters in Oak Ridge Hospital and also to Rose Price and Fay Humphrey, ill at their homes.

Mechanical Engineering regrets to report the death of the mother of Charles Chihaz in Lenoir City and offers its sympathy to the bereaved . . . Peggy Hardin started off the New Year with a two-week vacation . . . Paul Boyer has been exchanging cigars and candy for big handshakes and congratulations on the arrival of daughter, Mona Lisa, who weighed in January 4 at nine pounds, one ounce. . . . The department is glad to have Lillian Higgins back after a few weeks of illness and now sends get well wishes to Wilbur Allin in Oak Ridge Hospital . . . The O. T. Smiths are enjoying a visit from his brother from Memphis . . . The Bob Lassiters have been visited by his aunt and uncle from Dearborn, Mich. . . . Now reports have it that Leon Sealf bought his wife a jeep—how crafty can ya get? . . . Everyone in ME is concerned over Dave DeWalt, in St. Mary's Hospital, Knoxville, with injuries suffered in an automobile accident last week.

A suburban correspondent of the Colyum, just commenting on the chill of last week, declared it was so frigid over his way that the corn juice jelled in the still. Yum, yum.

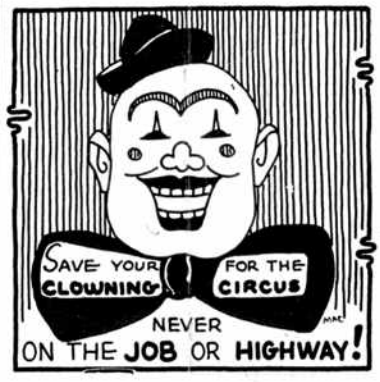
Eyeglass lenses can be cleaned and kept clear by rubbing gently with dry soap and then polishing with a soft, dry cloth.

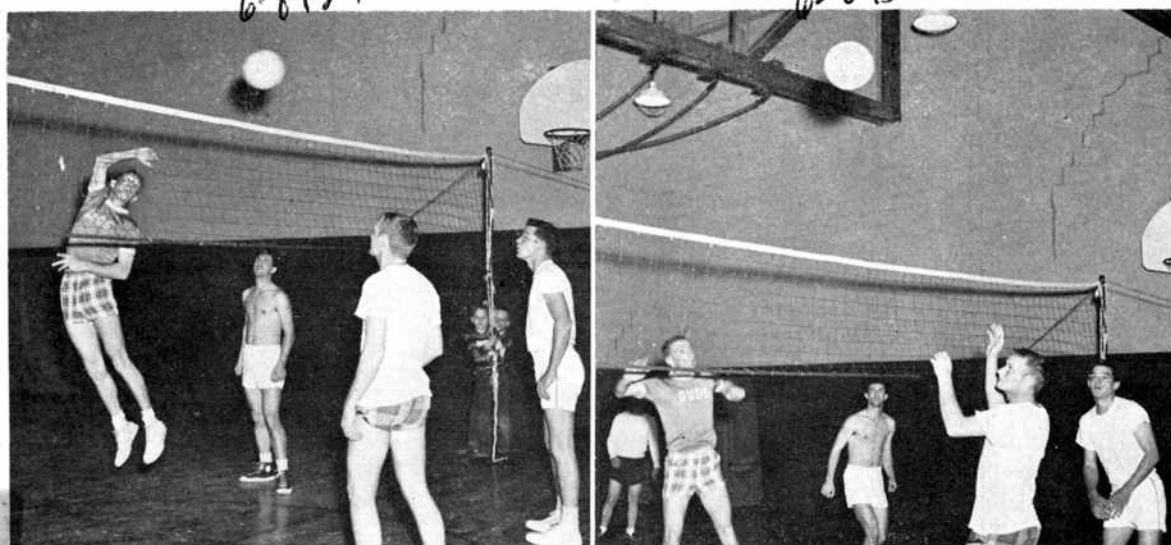
The Bulletin

Published Weekly By And For
Y-12 Employees Of
UNION CARBIDE
NUCLEAR COMPANY
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LOTS OF FUN AND EXERCISE ARE ENJOYED by players in the Y-12 Plant Volleyball League who meet every Monday night at the Glenwood School gymnasium for league matches. Two excellent action pictures of the volleyballers in action are shown above.

Close Tilts Staged In Volleyball Loop; Hawks Still On Top

The Y-12 Men's Volleyball League staged some of its hottest competition of the season last week at the Glenwood School gymnasium and although both winning teams took their matches in two straight games for three points each on the winning side of the standings, every point was hard fought.

For instance, no spectator would believe that the Beavers were the last place team in the circuit from the battle they put up against the league leading Hawks. The bird boys finally took the decision by 15-13, 16-14, but knew they had been in a real scrap.

In the other match of the night the Hunters also found themselves in lots of trouble before they eked out a 17-15, 16-14 triumph in another hot engagement.

League standing follows:

Team	W	L
Hawks	12	0
Hunters	7	5
Sooners	4	8
Beavers	1	1



THE HIGH-FLYING HAWKS, above, were leading the Y-12 Volleyball League with an undefeated record as of last week. In rear from left are G. B. Anderson, Sewell Brown and Manager Howard Horne. In front are John Harding, J. L. Noey and Lloyd Watt.

Scrappers Capture Mixed League Crown

The Y-12 Mixed League for men and women keglers in the plant ended its first half of the season last week in blazing style with one of the closest races in plant bowling leagues history. The Scrappers took top honors by dividing four points with the second place Clippers in a sizzling encounter. The rampaging Pin Cats, again led by Helen Corbett, blasted the Nip and Tucks for four points and the Units further tightened the race by taking three from the Alley Cats.

Helen Corbett swept all feminine scoring tops with a 189 scratch game, boosted to 237 with handicap, 462 scratch and 606 handicap series. J. C. Bryan, of the Clippers, duplicated with scores of 189, 223, 521 and 623. The Clippers posted the best single game scores with 615 and 788. The Scrappers' 1722 scratch series and the Pin Cats' 2264 handicap series also were tops.

League standing at the end of the first half of the season follows:

Team	W	L
Scrappers	39	25
Clippers	36	28
Nip and Tucks	33	31
Pin Cats	32	32
Alley Cats	27	37
Units	25	39



Judges To Decide 1957 Fish Contest Winners Thursday



"OF COURSE IT'S REAL," says Elmer Green, Buildings and Grounds, as he displays this beautiful striped bass that he snagged recently in nearby Norris Lake. The big striper was hung on a live minnow and is a sure contender for top honors in the 1957 Annual Y-12 Fishing Contest that ended December 31.

UCC REPORT PRAISED

The annual report of Union Carbide Corporation has been proclaimed the best in the chemical industry for the second straight year in the annual survey made by Financial World magazine. Approximately 5,000 reports were considered in the 1957 competition and UCC will receive a bronze "Oscar Of Industry" trophy as an award.

You can completely eliminate your enemies — by making them your friends.



January 31 Deadline To Enter Pin Meet; More Events Added For Women Entrants

Eligibility Rules For Tournament Clarified; Event To Be Held At Oak Terrace February 8-9

One of the largest and best Y-12 Plant Bowling Tournaments ever held is anticipated when Y-12 men and women bowlers compete in the 1958 event on the week end of February 8 and 9 at the Oak Terrace Alleys. At a meeting of plant bowling leagues representatives last Thursday final rules, regulations and arrangements were made for the pin smashing contest that widened the base of competition and spelled out more definite eligibility rules for individuals and teams participating.

Entry Blanks Being Distributed

Entry blanks with rules for the 1958 tournament will be distributed to all Y-12 bowlers at the next alley sessions of their respective leagues. League secretaries will distribute the blanks, which also will be available at the Y-12 Recreation Office, Bldg. 9704-2, Room 226.

All entries for the tournament must be in the Recreation Office by noon on Friday, January 31. Pairings and schedules will be made as soon as possible after that date.

List Of Events Expanded

The list of events for the tournament has been expanded to provide competition this year in men's teams, doubles, singles and mixed doubles. For the feminine bowlers there will be contests in doubles and singles. Men and women entrants both will compete for all events honors in their respective divisions.

All Y-12 employees now bowling in a Y-12 Plant league or any other league who have bowled 12 games in any American Bowling Congress or Women's International Bowling Congress seasonal loops as of January 9 are eligible to enter the Y-12 Plant Tournament. Not more than two members of a sponsored team or a city league team may roll on a tournament team. Substitutions may be made on a team at any time before or during the tournament with the same provision applying to doubles. No substitution may be made in singles events.

Can Roll With Only One Team

Bowlers may roll with only one team in the tournament. Make up or non-league teams may be made up from players in any league with no more than two sponsored or two city league bowlers being eligible.

Individual handicaps will be in effect for the tournament, based on the highest average on January 9.

The tournament entry fee will be \$1.20 for bowling and \$1.10 for prize money per entrant. Any bowler not wanting to compete for prize money may pay the cost of bowling only and still be eligible for trophies.

A total of 60 handsome trophies will be awarded members of winning teams, singles winners, high games and all events.

Blazing Hot Shots Blank Night Owls

The Hot Shots finally caught on fire in the Y-12 Evening Shift Bowling League in Knoxville by scoring their first whitewash win of the season to tighten up the loop standings. The victims of the Hot Shots were the Night Owls. In the other match the league leading King Pins and the Do Littles bowled to a deadlock.

E. L. Reed paced the Hot Shots to their four-point win by sweeping all scoring honors with a 206 scratch and 229 handicap game, 591 scratch and 660 handicap series. The Hot Shots also took team scoring honors for series play with a 1893 scratch and 2335 handicap. The King Pins got top game scores with 677 and 827.

League standing follows:

Team	W	L
King Pins	22	6
Do Littles	14	14
Night Owls	11	17
Hot Shots	9	19

Bumpers And Wasps Climb In Classic With Pin Triumphs

The Bumpers helped their cause in the Classic Bowling League last week as they topped the loop-leading Has Beens with a three-point win. The Wasps also moved up in the standings as they whitewashed the Swingsters and the All Stars dropped three points to the Playboys. The Rippers ripped the Wolves for three points and the Rebels topped the Cubs with a three-point victory. The Screwballs also took a three-point win from the Tigers.

Jack Spears, of the Rebels, led individual scoring with a 232 scratch game, a 254 handicap single and a 661 handicap series. Len Hart, of the Rippers, topped the scratch series with a 606.

The Rebels dominated team scoring as they posted a 914 scratch single game, a 1042 handicap single and a 2560 scratch series. The Wasps led the handicap series with a 2945.

League standing follows:

Team	W	L
Has Beens	17	8
Bumpers	17	11
Wasps	16 1/2	11 1/2
All Stars	16	12
Rippers	16	13
Rebels	15	12
Wolves	14 1/2	13 1/2
Tigers	14	14
Screwballs	14	14
Cubs	11	17
Playboys	10	18
Swingsters	4	24

Y-Ettes Lose Five; Drop To Third Spot

The Y-Ettes took a tumble in the Carbide Women's Volleyball League last week as they lost five games and won only one. The gals dropped three games to the K-25 Spikers by scores of 5-15, 8-15 and 14-16. The Y-12 women also lost two to ORNL by marks of 12-15 and 3-15, but then topped the ORNL girls with a 15-8 score. The Y-Ettes dropped from second to third place in the standings with the losses.

ORNL whitewashed the ORINS Cobalts 15-7, 15-10 and 16-14. The Cobalts also fell twice to the Spikers, 12-15 and 7-15, but won a game from the K-25 women with a 15-8 score.

League standing follows:

Team	W	L
ORNL	22	8
Spikers	16	14
Y-Ettes	13	17
Cobalts	9	21

Engineers Defeat Rims In Debut

The Rims made their debut in the Y-12 Plant Basketball League last week and although defeated by the Engineers to the tune of 45 to 30, put up a good scrap in their opening engagement. Oldham and Hopkins led the scoring for the winners with 18 and 14 points each while Evans got seven. Myers and Massengill each bagged seven for the Rims and Boucher got six.

No other games were played last week but play will be resumed this week at the Robertsville gymnasium.

League standing follows:

Team	W	L
Wizards	2	0
Engineers	1	1
Sharpshooters	0	1
Rims	0	1
Cubs	0	0

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March Of Dimes Drive Is Directed By Y-12er

'Survival Not Enough' Slogan For Polio Project

With a Y-12er as chairman and many other Union Carbide Nuclear Company employees taking active roles, the 20th annual March of Dimes campaign now is under way in Oak Ridge. Sponsored by the Oak Ridge Junior Chamber of Commerce and the Jaycettes, the drive is headed by Robert M. Kemper, Project Engineering, as campaign director.

Rehabilitation Is Objective

The March of Dimes campaign slogan this year is "Survival Is Not Enough." A large percentage of funds from the 1958 campaign will be used for rehabilitation purposes as there are thousands of polio victims who still are in need of care and treatment.

Although the number of new cases of polio is on the decline as a result of widespread use of Salk vaccine, new cases still are reported. Only 31 per cent of the population of the nation under 40 years of age has completed the series of three polio vaccine shots and officials of the National Foundation for Infantile Paralysis point out that no one can feel safe from the dread disease until after the third shot is taken. "Polio Ball" Set January 25

Generous Y-12ers are asked to join other Oak Ridge residents to contribute as much as possible to the March of Dimes campaign this month, which will be featured by the annual "Polio Ball" on January 25 and concluded with the "Mother's March" on January 31.

In addition to Drive Director Kemper, other leaders in the 1958 Oak Ridge March of Dimes campaign are Mrs. Gerald Goldberg, Mother's March chairman; Gerald Goldberg, Oak Ridge National Laboratory employee in the Y-12 Plant Area and NFIP treasurer for Anderson County, mailing chairman; G. S. Webb, Oak Ridge treasurer; Mrs. Gerald F. R. Johnson, publicity chairman; Mrs. John Gregory, Mother's March publicity chairman; Dr. Sidney J. Wiley, schools chairman; Lelan Scanlan, special activities chairman; Mrs. Henry Taylor, coffee chairman; Mrs. Robert Kemper, secretary; and Channing Brown, canister chairman.

Daffodills Climb In C Bowling Loop

The Hi Balls team rolled right along at the top of the C Bowling League last week by treeing the Alley Cats for three points but saw the Daffodills creep up in the standings by murdering Murderer's Row for a four-point whitewash. B Shift pushed the Eight Balls into the cellar with a similar pasting and the Sunflowers chilled the Chillers for three in the other matches.

Ernie Collins, rolling for the Daffodills, had a big night on the hardwood with a 200 scratch game, boosted to 232 with handicap, and a 632 handicap series. R. R. Galford, Sunflowers, bagged a 548 scratch series for tops

Rides Wanted, Offered

Riders wanted from South or West Knoxville to any portal, straight day. L. N. Howell, plant phone 7043, home phone Knoxville 7-7373.

Two want to join or form car pool from Cedar Lane vicinity, Fountain City, to North or Central Portal, straight day. Sloan Bomar, plant phone 7330, home phone MU-7-2353, Knoxville; or J. P. Blakely, plant phone 7990, home phone MY-1-1716, Knoxville.

Riders wanted from Fountain City or Inskip section, Knox County, to any portal, straight day. G. E. Berney, plant phone 7-8333, home phone MU-7-1976, Knoxville.

Riders wanted from Hamilton Circle, Hillside Road and West Tennessee Ave., Oak Ridge, to Central Portal, straight day. J. C. Chamblee, plant phone 7102, home phone 5-0733, Oak Ridge.

Ride wanted from 115 Jonathan Lane, Oak Ridge, to North or Central Portal, straight day. Anna Swinford, plant phone 7-8673, home phone 2-1224, Oak Ridge.

Ride wanted or will join car pool from Ball Camp Pike near Ball Road, Knox County, to West Portal, H Shift. O. H. Dunaway, plant phone 7-8610, home phone 8-1114, Knoxville.

Want to join car pool from Sevier Ave., South Knoxville, to Bear Creek Portal, straight day. Barbara Thomas, plant phone 7-8209, home phone 7-0172, Knoxville.

Sharpshooters Top Masters Pistolmen

Although beaten in both scratch and handicap firing in the first matches in the Y-12 Pistol League since the holidays, the Marksmen team remained at the top of the league standings. The Sharpshooters eked out a 257 to 252 scratch triumph and 289.233 to 289.027 handicap in shooting on January 6. On the same night the Experts took a double forfeit from the Masters to advance to a second place tie. The Experts posted 243 scratch and 288.982 in firing for record.

In the January 6 firing P. H. Williams, of the Sharpshooters, was high gun with a 257 scratch and 289.233 handicap.

The Y-12 pistolers will fire again tomorrow night, Thursday, January 15, when the Experts will try to dislodge the Marksmen, and the Sharpshooters will meet the Masters at the Oak Ridge Sportsmen's Association range, starting at 7 p.m.

League standing follows:

Team	W	L
Marksmen	10	6
Experts	8	7
Sharpshooters	7	7
Masters	5	9

of the night. In team scoring the Daffodills swept the boards with 783, 981, 2158 and 2772.

League standing follows:

Team	W	L
Hi Balls	11	1
Daffodills	9	3
Sunflowers	7	5
B Shift	7	5
Alley Cats	6	6
Murderer's Row	4	8
Chillers	4	8
Eight Balls	0	4

For safety's sake—be careful.

Corrosion Problems Joint Meeting Topic

ASM, NACE To Hear Talk By Ohio Scientist

"Unusual Corrosion Problems" will be explained at a joint meeting of the Oak Ridge Chapters of the American Society for Metals and the National Association of Corrosion Engineers at a meeting tonight, Wednesday, January 15. The meeting will be at 8 o'clock at the Knights of Columbus Hall in West Village, Oak Ridge.

Dr. Mars G. Fontana, professor and chairman of the Department of Metallurgical Engineering at Ohio State University, Columbus, Ohio, will be guest speaker. Dr. Fontana also is director of the Corrosion Laboratory Engineering Experimental Station at the university, is past president of the NACE and also a past chairman of the Columbus Chapter of the ASM.

In his talk Dr. Fontana will cover a number of different than usual "run of the mill" corrosion problems. He will discuss from first hand experience work done on off-shore oil platforms in the Gulf of Mexico, off Aruba Island and the coast of the Dominican Republic. His talk will be illustrated by black and white and color slides.

Los Alamos Man To Address Meeting Of Testing Group

Dr. Gerald H. Tenny, of the Los Alamos, N. M., Scientific Laboratory, will be guest speaker at a meeting of the Oak Ridge Chapter of the Society of Nondestructive Testing set for Thursday night, January 23. The Coral Room of the Ridge Recreation Hall will be the place of the meeting, which begins at 8 o'clock.

Dr. Tenny's subject will be "Present Day Problems of Non-destructive Testing." The speaker is a native of Austria and received his Ph. D degree from the University of Vienna. He came to the United States and was naturalized as a United States citizen in 1943. Since that date he has been a group leader at the Los Alamos Laboratory.

Analytical Group To Hear Allen Speak On Testing

The Analytical Chemistry Division of the East Tennessee Section of the American Chemical Society will hear a talk on "Non-Destructive Testing Using Eddy Currents" at its meeting set for Thursday, January 23. The meeting will be at 8 p.m. in the cafeteria of the Robertsville Junior High School.

John W. Allen, of the Oak Ridge National Laboratory metallurgy division, will be the guest speaker. He received his electrical engineering degree from the University of Tennessee in 1951 and joined ORNL after a year with Lockheed Aircraft Co.

Income Tax Forms Available At Y-12 Employment Office

Y-12ers who need additional Bureau of Internal Revenue Income Tax forms on which to report 1957 income may obtain them at the Employment Office, first floor, Bldg. 9704-2. However, no assistance in filling out the forms can be had there.

With all Y-12ers now having their W-2 Withholding Forms reporting income for 1957 and deductions made for income taxes, many now are filing their tax reports. Early filing not only helps the tax authorities, but in the case of taxpayers seeking refunds earlier payments can be expected. The deadline for filing income tax reports for 1957 is midnight, Tuesday, April 15.

Clark Center, Sapirie Hail UCC Work

Continued from Page 1

the paramount objective of assuring the common defense and security, the development and utilization of atomic energy shall, as far as practicable, be directed toward improving the public welfare, increasing the standard of living, strengthening free competition in private enterprise and promoting world peace."

FINE PERFORMANCE OF UCC PRAISED BY AEC MANAGER

Mr. Clark E. Center
Vice President UCNC
Oak Ridge, Tenn.

Dear Mr. Center:

As Carbide prepares to mark the 15th anniversary of its entry into atomic energy work, I would like to convey to you and your organization the sincere congratulations of Oak Ridge Operations on this important occasion.

Union Carbide was one of the pioneers in the nuclear energy field and each of the 15 years you have participated have been marked by many significant achievements in the plants and laboratories you operate for the Commission. These achievements should be a source of great satisfaction to you and the people of Carbide, as they were to me. In addition to your fine performance over the years at the plants in Oak Ridge and Paducah, your assistance to our other operations at Portsmouth, Fernald, St. Louis and other Commission Operations throughout the country has been of inestimable value.

I wish to express my personal appreciation for the vigor, enthusiasm and skills which your entire organization has applied continually to the Commission's program. It is reassuring to know we can depend upon the same competence and spirit of cooperation from Carbide in the challenging years ahead.

Very truly yours
S. R. SAPIRIE
Manager
Oak Ridge Operations

Tackholes Leading Y-12 Rifle League

After completing three rounds of firing the Tackholes team is leading the Y-12 Plant Rifle League competition. In the last matches fired the Tackholes eked out a close decision from the Ten Xs by 149 to 148 scratch and 190.736 to 189.546 handicap. The Pinwheels took a forfeit win from the Centershots because of unavoidable absence of two firers.

W. A. Sahr, Pinwheels, had a top scratch score of 178 and handicap mark of 195.195. C. G. Brewster, Ten Xs, was second in scratch with 177 and third in handicap with 192.211. A. J. Blay, Tackholes, was third in scratch with 166 and second in handicap with 192.573.

League standing follows:

Team	W	L
Tackholes	13	5
Pinwheels	10	8
Centershots	9	9
Ten Xs	4	14

OXYGEN EXCEEDS DEMAND

For the first time since the beginning of World War II the nation's oxygen supply is expected to exceed industry's immediate demand early this year. Among new facilities contributing to the increased production are expansion of Linde plants at Fontana, Cal., and Ashtabula, Ohio, which will produce some 150,000 cubic feet per month.

Fusion Control Topic At Meeting Of ISA

ORNL Man To Address Meeting On Thursday

Problems involved in obtaining controllable fusion (hydrogen bomb) reaction will be discussed in an unclassified talk before the Oak Ridge Section of the Instrument Society of America tomorrow night, January 16, by E. S. Bettis, Oak Ridge National Laboratory. The meeting is scheduled for 8 o'clock at the Ridge Recreation Hall.

This is a timely subject for all scientists, particularly those who will be confronted with designing control systems for a fusion-type reactor. Bettis, a member of the Instrumentation and Controls Division of ORNL, has been concerned for some time with design of such controls and in other general problems associated with thermonuclear processes.

The ISA meeting will be the 124th of the section and all Y-12 members are urged to attend the session.

Other UCC Divisions Assisted In Program

Processes, Materials Provided For Project

Several other Union Carbide Corporation Divisions joined Carbide and Carbide Chemicals Corporation in making the UCC entry into the field of atomic energy successful 15 years ago.

Electro Metallurgical Company constructed and operated a plant particularly for the production of an essential metal. Special processes for the treatment of uranium ores was provided by the United States Vanadium Company, most functions of which have now been taken over by Union Carbide Nuclear Company.

Special graphite products for the Y-12 Plant as well as the "pile" reactor at Clinton Laboratories, now Oak Ridge National Laboratory, were developed by National Carbon Company.

Other important contributions to the atomic energy program were made by Bakelite Company, Linde Company and other UCC groups both during the early days of the project as well as in the following years of development of different processes.

ASME Groups To Hear Talk By James M. Landis Tonight

James M. Landis, president of the American Society of Mechanical Engineers, will address a joint meeting of the Oak Ridge and Knoxville groups of the East Tennessee Section of the ASME tonight, Wednesday, January 15. The meeting will be in the main dining room of the Student Center Building at the University of Tennessee with dinner being served at 7 o'clock, to be followed by a talk on ASME affairs and the engineering profession in general by Landis.

The speaker is vice president of the Bechtel Corporation, San Francisco, Cal., having been connected with that firm since 1948. He graduated from the University of Michigan in 1922 with a B.S. degree in Mechanical Engineering. For several years he was with the Consolidated Edison Co. in New York and has been active in ASME circles since 1926.

